

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	697	(Ishikawa near2 Tadashi).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 15:56
L2	17	(Nakashima near2 Kiyotaka).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 15:57
L3	28	(Nose near2 Tetsuro).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 15:57
L4	20	(Tominaga near2 Tomonori).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 15:57
L5	40	(Higo near2 Yakichi).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 15:57
L6	36	(Takashima near2 Kazuki).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 15:57
L7	838649	(Nippon).as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 16:15
L8	102	(L2 or L3 or L4 or L5 or L6)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 16:16

L9	2	"20060130942"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 16:16
L10	21	(US-2006013777-\$ or US-20020014100-\$ or US-20050242066-\$ or US-20070006943-\$ or US-20060065333-\$ or US-20040038626-\$ or US-20040250920-\$ or US-20080041502-\$).did. or (US-6467321-\$ or US-6338765-\$ or US-6926780-\$ or US-7276824-\$).did. or (WO-2004040023-\$ or US-6171415-\$ or JP-2004122152-\$ or US-20050242066-\$ or US-20060016858-\$ or US-20070040476-\$ or US-20070068605-\$ or CN-1887507-\$ or JP-2008038222-\$).did.	US-PGPUB; USPAT; DERWENT	ADJ	ON	2009/04/09 16:17
L11	100	L8 not (L9 or L10)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 16:18
L12	839018	(L1 or L7) not (L8 or L9 or L10)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 16:45
L13	5835	L12 and (nanocrystal\$4 OR nano-crystal\$4 or nano crystall\$4 or nano \$2crystal\$4 or (sub micron or sub-micron or sub\$2micron) near3 (grain or crystal\$8) or ultrasonic or ultrasound or ultrason\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 16:47
L14	39	L12 and (nanocrystal\$4 OR nano-crystal\$4 or nano crystall\$4 or nano \$2crystal\$4 or (sub micron or sub-micron or sub\$2micron) near3 (grain or crystal\$8))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 16:47

L15	634	L12 and (ultrason\$8 or ultrasound) same (treat\$4 or peen\$4 or impact\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 16:48
L16	75	L15 and (nano\$10 or sub\$2micron or sub micron or amorphous or non\$2crystalline or non-crystalline or metallic near3 glass)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 16:48
L17	113	L14 or L16	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 16:49
L18	99	(Statnikov).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 16:51
L19	1017	(Prokopenko).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 16:52
L20	243	(nanocrystall\$8 or nano-crystal\$8 or nano crystall\$8 or nano\$2crystall\$8) and (ultrasound or ultrasonic) same (impact\$4 or treat\$4 or peen\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 16:53
L22	15	L19 and (ultrasound or ultrasonic) same (impact\$4 or treat\$4 or peen\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 16:54
L23	3700	(sub\$2micron or sub micron or nano\$10) near10 (grain or crystal or crystall\$8) and (ultrasonic\$5 or ultrasound)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 16:55

L25	966	(sub\$2micron or sub micron or nano\$10) near10 (grain or crystal or crystal\$8) and (ultrasonic\$5 or ultrasound) same (peen \$4 or impact\$4 or treat \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 16:56
L26	554	L25 and (amorphous or noncrystalline or non-crystalline or non crystalline or bulk metallic glass or metallic near3 glass\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 16:57
L27	438	L26 and (surface or layer) same (treat\$4 or impact\$4 or peen\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 16:57
L28	48	(US-20060137777-\$ or US-20050242066-\$ or US-20040250920-\$ or US-20080041502-\$ or US-20040038626-\$ or US-20070006943-\$ or US-20020014100-\$ or US-20060065333-\$ or US-20050230010-\$ or US-20030003763-\$ or US-20070237943-\$ or US-20070068605-\$ or US-20060130942-\$).did. or (US-6338765-\$ or US-7276824-\$ or US-6926780-\$ or US-6467321-\$ or US-5280724-\$ or US-7399371-\$ or US-6475599-\$ or US-7422790-\$ or US-7078015-\$ or US-5994164-\$).did. or (EP-403807-\$ or WO-2004040023-\$ or WO-2004040022-\$ or WO-2004046399-\$ or WO-2004046398-\$ or WO-2004046397-\$ or WO-2004046396-\$ or WO-2004046395-\$ or WO-2004046394-\$ or EP-1559796-\$ or EP-1577401-\$).did. or (JP-2002220647-\$ or JP-2003201549-\$ or JP-	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/04/09 17:01

		2004169105-\$ or JP-2004169078-\$).did. or (US-20060016858-\$ or US-20070040476-\$ or JP-2004122152-\$ or US-6171415-\$ or WO-2004040023-\$ or US-20050242066-\$ or US-20070068605-\$ or JP-2008038222-\$ or CN-1887507-\$ or JP-2003201549-\$).did.				
L29	334	(L18 or L20 or L22) not L28	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 17:01
L30	2	"20060137777"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 17:55
L31	2	"20070134059"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 17:56
L32	1	WO "0210462"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 17:59
L33	2	JP "2002220647"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 18:00
L34	2	JP "2003201549"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 18:00
L35	2	JP "58116954"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 18:00

L37	10	US "6171415"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 18:00
L39	0	JP "8001514"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 18:00
L40	2	JP "2003113418"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 18:00
L41	2	JP "09234585"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 18:15
L42	2	JP "01079320"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 18:16
L43	27	L30 or L31 or L32 or L33 or L34 or L35 or L37 or L39 or L40 or L41 or L42	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 18:16
L44	2	JP "08001514"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 18:17
L45	1111	(rikogaku near2 Shinkokai)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 19:03

L46	2	L45 and (nano\$2crystal\$8)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 19:03
L47	787	148/ 558,561,565.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 19:04
L48	64	(Daniel near2 Branagan). in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 19:06
L49	27	L48 and (nano\$2crystal\$8 or nano crystal\$8)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 19:06
L50	41	L47 and (nanocrystal\$8 or nano-crystal\$8 or nano crystal\$8 or nano \$2crystal\$8)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 19:13
L51	35	L47 and (ultrasound or ultrasonic) same (impact \$4 or treat\$4 or peen\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 19:14
L52	70	L50 or L51	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 19:14

L53	110	(US-20060137777-\$ or US-20050242066-\$ or US-20040250920-\$ or US-20080041502-\$ or US-20040038626-\$ or US-20070006943-\$ or US-20020014100-\$ or US-20060065333-\$ or US-20050230010-\$ or US-20030003763-\$ or US-20070237943-\$ or US-20070068605-\$ or US-20060130942-\$ or US-20070040476-\$ or US-20060237104-\$ or US-20060016858-\$ or US-20050145306-\$ or US-20050092397-\$ or US-20040244882-\$ or US-20040173290-\$ or US-20070244595-\$).did. or (US-6338765-\$ or US-7276824-\$ or US-6926780-\$ or US-6467321-\$ or US-5280724-\$ or US-7399371-\$ or US-6475599-\$ or US-7422790-\$ or US-7078015-\$ or US-5994164-\$ or US-7431779-\$ or US-7344609-\$ or US-7147726-\$ or US-7032725-\$ or US-6932876-\$ or US-6843957-\$ or US-6289736-\$ or US-6171415-\$ or US-6025034-\$ or US-5984996-\$ or US-6033624-\$ or US-5874684-\$ or US-7301123-\$ or US-7285447-\$ or US-7449074-\$).did. or (EP-403807-\$ or WO-2004040023-\$ or WO-2004040022-\$ or WO-2004046399-\$ or WO-2004046398-\$ or WO-2004046397-\$ or WO-2004046396-\$ or WO-2004046395-\$ or WO-2004046394-\$ or EP-1559796-\$ or EP-1577401-\$ or WO-	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/04/09 19:14
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2007024495-\$ or WO-
2007015688-\$ or WO-
2007005080-\$ or WO-
2006057836-\$ or EP-
1552028-\$ or WO-
2005060014-\$ or WO-
2005042206-\$ or EP-
1447455-\$ or WO-
2004013359-\$ or FR-
2662180-\$).did. or (JP-
2002220647-\$ or JP-
2003201549-\$ or JP-
2004169105-\$ or JP-
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58116954-\$).did. or (US-
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20070040476-\$ or JP-
2004122152-\$ or US-
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20040173290-\$ or WO-
2004046394-\$ or WO-
2004013359-\$ or US-
20020043313-\$ or FR-
2812286-\$ or US-
6338765-\$ or US-
20020014100-\$ or WO-
9117273-\$ or JP-
08001514-\$).did. or (WO-
2004033144-\$ or JP-
2003113418-\$ or JP-
2002220647-\$ or FR-
2812285-\$ or JP-
09234585-\$ or JP-
01079320-\$ or JP-
58116954-\$).did.

L54	53	L52 not L53	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 19:14
L55	14	US "6338765"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 19:18
L56	2	US "20020043313"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 19:19
L57	2	US "20020124402"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 19:19
L58	2	US "20020014100"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 19:19
L59	31	UIT.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 19:24
L60	24	M26-C02\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 19:26
L61	455	(nano crystal\$8 or nano \$2crystal\$8) same steel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 19:27

L62	338	(nano crystal\$8 or nano \$2crystal\$8) same steel and (heat\$4 or heat adj2 treat\$4 or anneal\$4 or devitrif\$8 or de\$2vitrif\$8)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 19:28
L63	118	(US-20060137777-\$ or US-20050242066-\$ or US-20040250920-\$ or US-20080041502-\$ or US-20040038626-\$ or US-20070006943-\$ or US-20020014100-\$ or US-20060065333-\$ or US-20050230010-\$ or US-20030003763-\$ or US-20070237943-\$ or US-20070068605-\$ or US-20060130942-\$ or US-20070040476-\$ or US-20060237104-\$ or US-20060016858-\$ or US-20050145306-\$ or US-20050092397-\$ or US-20040244882-\$ or US-20040173290-\$ or US-20070244595-\$ or US-20020043313-\$ or US-20070256764-\$ or US-20020189726-\$).did. or (US-6338765-\$ or US-7276824-\$ or US-6926780-\$ or US-6467321-\$ or US-5280724-\$ or US-7399371-\$ or US-6475599-\$ or US-7422790-\$ or US-7078015-\$ or US-5994164-\$ or US-7431779-\$ or US-7344609-\$ or US-7147726-\$ or US-7032725-\$ or US-6932876-\$ or US-6843957-\$ or US-6289736-\$ or US-6171415-\$ or US-6025034-\$ or US-5984996-\$ or US-6033624-\$ or US-5874684-\$ or US-7301123-\$ or US-7285447-\$ or US-7449074-\$ or US-7175722-\$).did. or (US-7439470-\$ or US-	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/04/09 19:28

6458225-\$).did. or (EP-
403807-\$ or WO-
2004040023-\$ or WO-
2004040022-\$ or WO-
2004046399-\$ or WO-
2004046398-\$ or WO-
2004046397-\$ or WO-
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2003113418-\$ or JP-
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58116954-\$).did. or (US-
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20070040476-\$ or JP-
2004122152-\$ or US-
6171415-\$ or WO-
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2005042206-\$ or US-
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2004013359-\$ or US-
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2812286-\$ or US-
6338765-\$ or US-
20020014100-\$ or WO-
9117273-\$ or JP-

		08001514-\$).did. or (WO-2004033144-\$ or JP-2003113418-\$ or JP-2002220647-\$ or FR-2812285-\$ or JP-09234585-\$ or JP-01079320-\$ or JP-58116954-\$ or US-6458225-\$ or US-20020189726-\$).did.				
L64	332	L62 not L63	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 19:28
L66	1	US "5634988"	DERWENT	ADJ	ON	2009/04/09 20:29
L67	1	US "6290905"	DERWENT	ADJ	ON	2009/04/09 20:29
L68	1	US "20010038001"	DERWENT	ADJ	ON	2009/04/09 20:29
L69	1	US "20040244882"	DERWENT	ADJ	ON	2009/04/09 20:29
L70	1	US "20050230010"	DERWENT	ADJ	ON	2009/04/09 20:29
L71	1	US "20050252888"	DERWENT	ADJ	ON	2009/04/09 20:29
L72	1	US "20070000968"	DERWENT	ADJ	ON	2009/04/09 20:29
L73	7	US "3274033"	USPAT; USOCR	ADJ	ON	2009/04/09 20:29
L74	1	JP "08118012"	DERWENT	ADJ	ON	2009/04/09 20:29
L75	1	JP "2000158127"	DERWENT	ADJ	ON	2009/04/09 20:29
L76	1	JP "2003290972"	DERWENT	ADJ	ON	2009/04/09 20:29
L77	10	L66 or L67 or L68 or L69 or L70 or L71 or L72 or L74 or L75 or L76	DERWENT	ADJ	ON	2009/04/09 20:30
L78	14	steel same de\$2vitrif\$8 same (nano\$2crystal\$8) and (anneal\$4 or heat\$4) same (time or duration or hours or minutes or temperature or celsius or fahrenheit)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 20:35

L79	238	C21D007/04	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 20:35
L80	702	C21D007/06	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 20:35
L81	240	C21D001/04	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 20:36
L82	193	C21D010/00	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 20:36
L83	1315	M24-D06\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 20:36
L84	4872	M24-D01B\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 20:36
L85	2067	M29-D\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 20:36
L86	9296	(L79 or L80 or L81 or L82 or L83 or L84 or L85)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 20:36

L87	13	L86 and ((nano\$2crystal\$8 or nano crystal\$8) or (sub\$2micron or ultra\$2fine or super\$2fine) near5 (crystal\$6 or grain)) and (ultrasound or ultrasonic\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 20:37
L89	33	L86 and ((nano\$2crystal\$8 or nano crystal\$8) or (sub\$2micron or ultra\$2fine or super\$2fine) near5 (crystal\$6 or grain)) and (heat\$4 or anneal\$4 or de\$2vitrif\$8)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 20:38
L90	24	L89 not L87	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 20:39
L92	33	C220045/02 and (de\$2vitrif\$8 or anneal\$4 or heat\$4) and (nano\$8 or nano\$2crystal\$8)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 20:40
L93	32309	(ultrasound or ultrasonic\$4) near10 (impact\$4 or treat\$4 or peen\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 20:41
L94	67	(ultrasound or ultrasonic\$4) near10 (impact\$4 or treat\$4 or peen\$4) and (equiaxed or equiaxial)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 20:42
L95	56	(ultrasound or ultrasonic\$4) near10 (impact\$4 or treat\$4 or peen\$4) and (equiaxed or equiaxial) same (grain or crystal\$4 or micro\$2structure)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 20:42
L96	70	(nano\$2crystal\$8 or (sub\$2micron or sub micron) near3 grain) same steel and (equiaxed or equiaxial) same (grain or crystal\$4 or micro\$2structure)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 20:47

L97	190	(nano\$2crystal\$8) and (equiaxed or equiaxial) same (grain or crystal\$4 or micro\$2structure)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 20:48
L98	15	de\$2vitrif\$8 and (equiaxed or equiaxial) near4 (grain or crystal\$4 or micro\$2structure)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 20:49
L99	1140	(anneal\$4 or heat\$4) and steel and (equiaxed or equiaxial) near4 (grain or crystal\$4 or micro\$2structure)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 20:50
L100	139	L99 and (ultrasound or ultrasonic\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 20:50

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